

What is claimed is:

1. A pressure-sensitive adhesive composition comprising a cohesive component comprising a styrene-based block copolymer, and a basic component.

5 2. The pressure-sensitive adhesive composition as defined in claim 1, wherein said basic component comprises a nitrogen-containing (meth)acrylic copolymer.

10 3. The pressure-sensitive adhesive composition as defined in claim 2, wherein said nitrogen-containing (meth)acrylic copolymer is a copolymer of an alkyl (meth)acrylate and a nitrogen-containing vinyl monomer.

15 4. The pressure-sensitive adhesive composition as defined in claim 3, wherein said nitrogen-containing (meth)acrylic copolymer is grafted with a polystyrene having a glass transition point of 20 to 250°C and a weight average 20 molecular weight of 2,000 to 500,000 as measured by gel permeation chromatography (GPC).

25 5. A pressure-sensitive adhesive tape comprising a stretchable substrate and a pressure-sensitive adhesive layer provided on at least one surface of said substrate, said pressure-sensitive adhesive layer comprising the pressure-sensitive adhesive composition described in claim 1.

30 6. The pressure-sensitive adhesive tape as defined in claim 5, wherein said substrate comprises a single-layer or multilayer highly extensible polymer film.

7. The pressure-sensitive adhesive tape as defined in claim 6, wherein said highly extensible polymer film is at least one polymer film selected from the group consisting of 5 the following polymer films:

(1) a polymer film having a lengthwise elongation at break of 50 to 1,200%, an elastic recovery of less than 50% after stretching, and a Young's modulus of 6,894.7 to 499,865.8 KPa,

10 (2) a foamed polymer film,

(3) a polymer film having a stress of 20 N/15 mm or less at the yield point or proportional limit point, a tensile rupture strength of 30 N/15 mm or more and an elongation at break of 150% or more, and

15 (4) a polymer film comprising a thermoplastic rubber and an adhesive-forming resin.

8. The pressure-sensitive adhesive tape as defined in claim 5, wherein said substrate is a composite of a foamed 20 polymer film and a foaming-free polymer film.

9. The pressure-sensitive adhesive tape as defined in claim 5, wherein said pressure-sensitive adhesive layer has a thickness of 10 to 1,000 μm .

25 10. The pressure-sensitive adhesive tape as defined in claim 5, which further comprises a release layer covering said pressure-sensitive adhesive layer.

11. An adhesion structure comprising a pressure-sensitive adhesive tape described in claim 5 and an adherend having attached thereto said pressure-sensitive adhesive tape through said pressure-sensitive adhesive layer, wherein

5 said pressure-sensitive adhesive tape can be separated from said adherend by stretching the substrate of said pressure-sensitive adhesive tape.

10 12. The adhesive structure as defined in claim 11, wherein said adherend is formed of a vinyl chloride resin.

13. The adhesive structure as defined in claim 12, wherein said vinyl chloride resin contains a plasticizer.

15 14. The adhesive structure as defined in claim 11, wherein said adherend is a sheet-like body.